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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,945	10/30/2003	Stefan Klose	1020-006US01	1039
28863	7590 05/26/2006		EXAMINER	
	R & SIEFFERT, P. A.		YENKE, BRIAN P	
8425 SEASON	IS PARKWAY			
SUITE 105			ART UNIT	PAPER NUMBER
ST. PAUL, M	N 55125		2622	

DATE MAILED: 05/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

·	Application No.	Applicant(s)			
Office Action Summan	10/696,945	KLOSE, STEFAN			
Office Action Summary	Examiner	Art Unit			
	BRIAN P. YENKE	2622			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on					
	<u> </u>				
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
_					
4) Claim(s) <u>1-4</u> is/are pending in the application.	un from consideration				
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) <u>1-4</u> is/are rejected.					
	Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10)⊠ The drawing(s) filed on <u>12 January 2004</u> is/are: a) \Box accepted or b) \boxtimes objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1.) Notice of References Cited (PTO-892) 2.) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3.) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

Application/Control Number: 10/696,945 Page 2

Art Unit: 2622

DETAILED ACTION

Information Disclosure Statement

1. As a reminder the listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered. The examiner has cited and considered the references listed in the specification as annotated on the attached 892, therefore the applicant need not take any action regarding the above.

Drawings

2. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because currently figures 8,9 include language "internet" and "sieter". Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Specification

3. The specification includes some spelling errors, such as that found on page 7, 2nd last line the characters before and after "looked for", page 10, last line, "Pr ducing" should be "Producing".

Application/Control Number: 10/696,945 Page 3

Art Unit: 2622

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 rejected under 35 U.S.C. 103(a) as being unpatentable over Surati,et al., US 6,456,339 in view of Keller et al., US 6,503,195 and Karuta et al., US 20030043303.

In considering claims 1 and 3,

Surati discloses a super-resolution calibration display system which includes multiple projectors (P1-4, Fig 1), a digital camera (17, Fig 1), wherein each of the projectors project an image onto a projection surface (col 7, line 24-25) which may be curved, flat, spherical or irregular in shape. The object of the invention is to automatically calibrate the system by also removing any noise from the projector to the camera (step 35, Fig 5). The system compares the projected images, to correct for distortion within the projected display pattern and the surface of the display device. The warp fields are calculated as shown in Fig 4a, element 311.

However, does not explicitly recite "single-strip patterns" nor detecting the largest projection surface possible.

Although these two concepts are conventional features in a display system, the examiner will nonetheless incorporates such teachings.

Regarding the concept of display striped-patterns or any images in order to calibrate a display projection system, the examiner relies upon Keller et al., US 6,503,195 (col 8, line 60-63) which discloses any structured light pattern may be used, which allows the user the

variety/choice of display options (i.e. the choice of pattern is purely optional—since no unexpected results are derived from the selection of one from the other).

Regarding the detecting step, the examiner relies upon Karuta et al., US 20030043303, which discloses the concept of optimizing the real estate of a display screen by obtaining the maximum possible rectangle that can be displayed on the screen, based upon the projectors/image/display capabilities.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Surati which discloses an auto calibration system to display a pattern on the screen such as a single-strip pattern as well as detecting the largest projection surface possible, in order to provide the user of such system the ability to calibrate/display a system by methods which are readily available/conventional in the art for the advantages as noted above.

In considering claims 2 and 4,

The combination above does not disclose the conventional ability of increasing the total luminosity by overlapping the region as much as possible. The technique of overlapping partially/greatly is an optional choice where based upon the capabilities of the projectors/display and desired brightness/size determines the amount of overlap and thus the examiner takes "OFFICIAL NOTICE" regarding such feature, since the option is available to the user/designer and provides no unexpected results with the selection of such.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure—see newly cited references on attached form PTO-892.

Application/Control Number: 10/696,945 Page 5

Art Unit: 2622

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Yenke whose telephone number is (571)272-7359. The examiner work schedule is Monday-Thursday, 0730-1830 hrs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, David L. Ometz, can be reached at (571)272-7593.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571)-273-8300

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is

(703)305-HELP.

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For other technical patent information needs, the Patent Assistance Center can be reached through customer service representatives at the above numbers, Monday through Friday (except federal holidays) from 8:30 a.m. to 5:00 p.m. EST/EDT.

The Patent Electronic Business Center (EBC) allows USPTO customers to retrieve data, check the status of pending actions, and submit information and applications. The tools currently available in the Patent EBC are Patent Application Information Retrieval (PAIR) and the Electronic Filing System (EFS).

PAIR (http://pair.uspto.gov) provides customers direct secure access to their own patent application status information, as well as to general patent information publicly available. EFS allows customers to electronically file patent application documents securely via the Internet. EFS is a system for submitting new utility patent applications and pre-grant publication submissions in electronic publication-ready form. EFS includes software to help customers prepare submissions in extensible Markup Language (XML) format and to assemble the various parts of the application as an electronic submission package. EFS also allows the submission of Computer Readable Format (CRF) sequence listings for

pending biotechnology patent applications, which were filed in paper form.

23 May 2006

BRIAN P. YENKE PRIMARY EXAMINER